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Enerkem

Enerkem launches world's first, game-changing full-scale waste-to-biofuels and chemicals facility

First commercial advanced biorefinery to exclusively use municipal solid waste to produce advanced biofuels and chemicals

Enerkem Inc. (www.enerkem.com), officially inaugurated today its first full-scale municipal waste-to-biofuels and chemicals facility in Edmonton, Alberta. This announcement was shared by Enerkem's CEO, Vincent Chornet, Mayor Don Iveson from the City of Edmonton, and the Honourable Robin Campbell, Minister of Environment and Sustainable Resource Development, and Government House Leader, representing the Government of



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About Enerkem

Enerkem makes biofuels and renewable chemicals from waste. With its proprietary technology, Enerkem converts non recyclable municipal solid waste into methanol, ethanol and other widely used chemical intermediates. Headquartered in Canada, Enerkem operates both a demonstration plant and a pilot facility in Quebec. Enerkem Alberta Biofuels, in Edmonton, is the company's first full-scale commercial facility and additional biorefineries are currently being developed in North America and globally. Enerkem's technology and facilities help diversify the energy mix and make greener everyday products while offering a sustainable alternative to landfilling. www.enerkem.com

About the City of Edmonton

Edmonton's innovative waste management system is based on principles of sustainability and integration of all components. Edmonton's focus on recovering the value in waste enables the City to divert up to 60% of residential waste from landfill, increasing to 90% in 2016 with the addition of the Waste to Biofuels and Chemicals Facility. The renowned Edmonton's Waste Management Centre, situated on a 233-hectare site in the City's northeast, encompasses the world's largest collection of integrated state-of-the-art facilities for solid waste management. www.edmonton.ca/for_residents/garbage_recycling/biofuels-facility.aspx

Alberta.

“Our breakthrough technology uses garbage instead of fossil sources for the production of chemicals and liquid transportation fuels. We are proud of the inauguration of our first full-scale biorefinery facility as it is the culmination of more than 10 years of disciplined efforts to scale up our technology from pilot and demonstration, to commercial scale, said Vincent Chornet, President and CEO of Enerkem. The completion of this game-changing facility is by far one of the most significant development the waste and biorefinery sectors have seen yet. We are thrilled that it is becoming a model for many communities and industries around the world.”

This facility, operated by Enerkem Alberta Biofuels, is among the world's first commercial facilities to be built for the production of renewable chemicals and advanced biofuels. During its construction, more than 600 direct and indirect jobs were created for the modular manufacturing of the facility's systems and their on-site assembly.

“The City of Edmonton is a world leader in sustainable waste management and the opening of the waste-to-biofuels and chemicals facility demonstrates our commitment to finding innovative solutions to harness

About Alberta Innovates - Energy and Environment Solutions

AI-EES is the research, innovation and technology implementation arm of the Government in the areas of energy and environment. AI-EES serves as a catalyst for the development of innovative, integrated ways to convert Alberta's resources into market-ready, environmentally responsible energy. www.ai-ees.ca/renewables-and-emerging-technologies/success-stories/advanced-energy-research-facility-opens.aspx

the value in waste, said Mayor Don Iveson. This type of leading edge innovation demands a team approach and we're proud of our partnership with Enerkem and Alberta Innovates – Energy and Environment Solutions."

"This game-changing facility provides clear environmental benefits as it converts waste into value-added products, said Honourable Robin Campbell, Minister of Environment and Sustainable Resource Development, and Government House Leader for the Government of Alberta. This is another great example of Alberta innovation at work, helping to diversify our economy through new, leading-edge technology."

This industry breakthrough is a collaboration between Enerkem, the City of Edmonton and Alberta Innovates – Energy and Environment Solutions. The pioneering facility will have a production capacity of up to 38 million litres per year, will help the City of Edmonton increase its residential waste diversion rate to 90%, and is expected to generate net economic spending in the local area of nearly C\$ 65 million annually.

The start-up of the biorefinery follows a rigorous commissioning plan which is nearing completion. Biomethanol production will begin progressively during the start-up. A module converting the

biomethanol into advanced
ethanol will be added by the end
of 2015.

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